



Space Alliance Technology Outreach Program

- SATOP provides up to 40 hours of FREE engineering technical assistance to ANY type of small business.
- SATOP was established in 2001 as a nationwide program.
- SATOP relies on an annual federal appropriation to NASA for its funding.
- SATOP's Alliance Partner network (comprised of private engineering firms, universities/ colleges, and national laboratories that have an affiliation with NASA) provides the expertise.
- SATOP is operated by four regional Centers located in New Mexico, Texas, New York, and Florida. Each Center covers between 11-15 states.
- New Mexico's SATOP Center is responsible for the 11 western states: Washington, Oregon, California, Nevada, Arizona, Utah, Idaho, Montana, Wyoming, Colorado, and New Mexico.
- The Regional Development Corporation operates the New Mexico SATOP Center.
- In 2008, SATOP ceased activity nationwide due to lack of federal funding, with the exception of Texas, who received state funding to keep their program operational.
- SATOP was re-funded and re-established nationwide in 2010.
- SATOP is a public-private partnership with a successful track record of assisting small businesses nationwide.



SATOP Funding: The impact on New Mexico Small Businesses

- Prior to program suspension in 2008, the New Mexico SATOP Center's annual impact was:
 - 70 requests solved
 - 21 jobs created or retained
 - \$4.5 million in total economic impact
- Since re-opening the program in 2010, 27 New Mexico based small businesses have received SATOP assistance.
- In 2010, seven New Mexico based Alliance Partners (NMSU, NM Tech, White Sands Test Facility, Zia Design Group, NM MEP, SNL, TEAM Technologies) have provided assistance on more than 46 requests nationwide.
- For 2011, the New Mexico SATOP Center has only received enough federal funding to support 15 small business requests.
- SATOP operates on a first come first served basis. This means that it is possible **no New Mexico based small businesses may receive SATOP assistance in 2011.**
- SATOP is a valuable economic development tool that must be preserved in our State.



2011 Funding Request to assist 25 NM based small businesses:

Item	Cost	Notes			
Alliance Partner Payments	\$ 50,000	25 companies x 40 hours x \$50/hour			
Marketing/Outreach	\$ 5,000	To promote the opportunity statewide			
Total Direct	\$ 55,000				
Indirect (15%)	\$ 8,250	Contribution toward overhead			
Total Request	\$ 63,250				

This request is heavily leveraged:

New Mexico SATOP 2011 federal appropriation portion is \$115k.

Alliance Partners are compensated at a below market rate of \$50/hour and have agreed to contribute up to 5,250 hours to assist small business throughout the country via SATOP.

The Texas State Legislature supports the Texas SATOP Center with \$135k per year via its Texas Aerospace Scholars/ Technology Outreach Program. This "special item" was created in 2000-2001.



Space Alliance Technology Outreach Program

Testimonials



RTA 3400: Improving the release of cremated ashes from an airborne device

"Hello, Naomi: Indeed, Yu-Ping has exhausted his time allocation for my project, and in a most excellent fashion. His quick grasp of the design intricacies of the project, as well as his engaging interaction with me have made the experience a most positive one. I will now progress to the prototype model, and look forward with optimism to the FAA application and approval. My nascent enterprise now has a client requesting its services in July, and I hope to be able to fulfill their wish. I want to thank you for your most valuable help, and for adding, in great measure, the catalyzing ingredient that is turning my dream into reality. I look forward to meeting you in person. Tom Navar, M.D." 6/7/10 Anthony, NM.



RTA: 3465 Airfoil design assistance for Turbo-Sift Machine fan blade assembly

"Mani, Sylvin, Ryan and Naomi, I am pleased to see the amount of effort and detail in the fan blade information. Good thing Mani and Sylvin knew what they were doing, as this sort of information promises to be extremely helpful! THANK YOU TO ALL! On a personal level, I easily admit it the technical information is way above my head. However, those that need the information will easily understand it. My appreciation is profound and boundless. Is there anything else at present necessary from MY side? Again, THANK YOU, THANK YOU, THANK YOU!!!! Chuck Higgins" 10/18/10 Santa Fe, NM.



RTA 3363 Crash safety of an energy storage gyroscope used in a vehicle propulsion system

"Good morning Keith and Naomi, I want to thank you both for what I consider to be a very successful project. Naomi, I especially appreciate your patience in allowing the extra time for me to recover from an initial inadequate design. Dr. Miller, I am impressed with the depth of your analysis and am particularly pleased that you have established details of the required containment ring that provide design goals...Again, thank you both and I look forward to further communications. Gerald Simons" 8/23/10 Bosque Farms, NM.

Small businesses are the key to economic recovery. Now more than ever it's vital we give our support to ensure the success of New Mexico small businesses.

Naomi Engelman

New Mexico SATOP Center Director

Direct: 505.428.7762

Mobile: 505.690.8980

naomi@spacetechnsolutions.com



2209 Miguel Chavez Road, Suite C
Santa Fe, NM 87505
Phone: 505.820.1226
Fax: 505.983.8654
www.rdcnm.org

